



0590
1213

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/943,944C
Source: 21PF
Date Processed by STIC: 12/26/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



Does Not Comply
Corrected Diskette Needed

OICE

RAW SEQUENCE LISTING

DATE: 12/26/2002

PATENT APPLICATION: US/09/943,944C

TIME: 13:33:26

Input Set : A:\Har-0651.app

Output Set : N:\CRF4\12262002\I943944C.raw

3 <110> APPLICANT: Ptashne, et al.,
 5 <120> TITLE OF INVENTION: Transcriptional Activation System, Activators, and Uses
 6 Therefor
 8 <130> FILE REFERENCE: 0342941-0065
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/943,944C
 C--> 11 <141> CURRENT FILING DATE: 2002-12-09
 13 <160> NUMBER OF SEQ ID NOS: 238
 15 <170> SOFTWARE: PatentIn Ver. 2.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 11
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Yeast
 22 <400> SEQUENCE: 1
 23 Trp Thr Asp Gln Thr Ala Tyr Asn Ala Phe Gly
 24 1 5 10
 27 <210> SEQ ID NO: 2
 28 <211> LENGTH: 18
 29 <212> TYPE: DNA
 C--> 30 <213> ORGANISM: Artificial Sequence → must explain artificial sequence -
 32 <220> FEATURE:
 33 <221> NAME/KEY: misc_feature
 34 <222> LOCATION: (9)..(10)
 35 <223> OTHER INFORMATION: n = any amino acid
 37 <220> FEATURE:
 38 <221> NAME/KEY: misc_feature
 39 <222> LOCATION: (12)..(13)
 40 <223> OTHER INFORMATION: n = any amino acid
 42 <400> SEQUENCE: 2
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 46 <210> SEQ ID NO: 3
 47 <211> LENGTH: 18
 48 <212> TYPE: DNA
 49 <213> ORGANISM: Artificial Sequence
 51 <220> FEATURE:
 52 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
 53 Sequence
 55 <400> SEQUENCE: 3
 56 attcgcgcac cgtatttc
 59 <210> SEQ ID NO: 4
 60 <211> LENGTH: 6
 61 <212> TYPE: PRT
 62 <213> ORGANISM: Artificial Sequence
 64 <220> FEATURE:

see p. 6

unacceptable

-must explain
source of genetic
material -

See also p. 6

RAW SEQUENCE LISTING

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Input Set : A:\Har-0651.app

Output Set: N:\CRF4\12262002\I943944C.raw

65 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
66 Sequence
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69 Ile Pro Pro Pro Tyr Phe
70 1 5
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 18
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
80 Sequence
82 <400> SEQUENCE: 5
83 ctgcccggt cttcttc 18
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87 <211> LENGTH: 6
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
93 Sequence
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96 Leu Pro Gly Cys Phe Phe
97 1 5
100 <210> SEQ ID NO: 7
101 <211> LENGTH: 18
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
107 Sequence
109 <400> SEQUENCE: 7
110 cagctcccc cctgggta 18
113 <210> SEQ ID NO: 8
114 <211> LENGTH: 6
115 <212> TYPE: PRT
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
120 Sequence
122 <400> SEQUENCE: 8
123 Gln Leu Pro Pro Trp Leu
124 1 5
127 <210> SEQ ID NO: 9
128 <211> LENGTH: 18
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial

Some error

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TIME: 13:33:26

Input Set : A:\Har-0651.app

Output Set: N:\CRF4\12262002\I943944C.raw

134 Sequence
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137 tactggccct ccccttc 18
140 <210> SEQ ID NO: 10
141 <211> LENGTH: 6
142 <212> TYPE: PRT
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
147 Sequence
149 <400> SEQUENCE: 10
150 Tyr Trp Pro Ser Pro Phe
151 1 5
154 <210> SEQ ID NO: 11
155 <211> LENGTH: 18
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
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164 gagttccct atgacttg 18
167 <210> SEQ ID NO: 12
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169 <212> TYPE: PRT
170 <213> ORGANISM: Artificial Sequence
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173 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
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176 <400> SEQUENCE: 12
177 Glu Phe Pro Tyr Asp Leu
178 1 5
181 <210> SEQ ID NO: 13
182 <211> LENGTH: 18
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
188 Sequence
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191 accgccgaat tccccctc 18
194 <210> SEQ ID NO: 14
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196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
201 Sequence
203 <400> SEQUENCE: 14

Same eme

RAW SEQUENCE LISTING DATE: 12/26/2002
PATENT APPLICATION: US/09/943,944C TIME: 13:33:26

Input Set : A:\Har-0651.app
Output Set: N:\CRF4\12262002\I943944C.raw

```
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205   1               5
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210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
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217 <400> SEQUENCE: 15
218 caatttctag acgcactt                      18
221 <210> SEQ ID NO: 16
222 <211> LENGTH: 6
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224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificial
228     Sequence
230 <400> SEQUENCE: 16
231 Gln Phe Leu Asp Ala Leu
232   1               5
235 <210> SEQ ID NO: 17
236 <211> LENGTH: 18
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
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242     Sequence
244 <400> SEQUENCE: 17
245 acattccctg accccttc                      18
248 <210> SEQ ID NO: 18
249 <211> LENGTH: 6
250 <212> TYPE: PRT
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificial
255     Sequence
257 <400> SEQUENCE: 18
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259   1               5
262 <210> SEQ ID NO: 19
263 <211> LENGTH: 18
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <221> NAME/KEY: misc_feature
269 <222> LOCATION: (10)
270 <223> OTHER INFORMATION: n = any amino acid
272 <220> FEATURE:
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some error as Seq.2

RAW SEQUENCE LISTING

DATE: 12/26/2002

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Input Set : A:\Har-0651.app

Output Set: N:\CRF4\12262002\I943944C.raw

```

273 <221> NAME/KEY: misc_feature
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275 <223> OTHER INFORMATION: n = any amino acid
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283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificial
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294 <210> SEQ ID NO: 21
295 <211> LENGTH: 6
296 <212> TYPE: PRT
297 <213> ORGANISM: Artificial Sequence
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304 Leu Asp Phe Ser Tyr Val
305 1 5
308 <210> SEQ ID NO: 22
309 <211> LENGTH: 18
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificial
315 Sequence
317 <400> SEQUENCE: 22
318 cccccaccac cctggccc 18
321 <210> SEQ ID NO: 23
322 <211> LENGTH: 6
323 <212> TYPE: PRT
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificial
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330 <400> SEQUENCE: 23
331 Pro Pro Pro Pro Trp Pro
332 1 5
335 <210> SEQ ID NO: 24
336 <211> LENGTH: 18
337 <212> TYPE: DNA
338 <213> ORGANISM: Artificial Sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificial

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 12/26/2002
PATENT APPLICATION: US/09/943,944C TIME: 13:33:27

Input Set : A:\Har-0651.app
Output Set: N:\CRF4\12262002\I943944C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 9,10,12,13
Seq#:19; N Pos. 10,12
Seq#:112; N Pos. 12
Seq#:116; N Pos. 1,2,3,11,12,14
Seq#:117; N Pos. 9
Seq#:204; N Pos. 3,18
Seq#:222; N Pos. 10

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:43,164, 2

VERIFICATION SUMMARY

DATE: 12/26/2002

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Input Set : A:\Har-0651.app

Output Set: N:\CRF4\12262002\I943944C.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:30 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:43 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:595 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:43, <213>
ORGANISM:Artificial Sequence
L:595 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:43, <213>
ORGANISM:Artificial Sequence
L:595 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:43,Line#:595
L:1529 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:0
L:1594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:0
L:1608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:0
L:2237 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:164, <213>
ORGANISM:Artificial Sequence
L:2237 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:164, <213>
ORGANISM:Artificial Sequence
L:2237 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:164,Line#:2237
L:2785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:0
L:3033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222 after pos.:0